

Total Maximum Daily Load (TMDL) Development for the Lower Appomattox River Basin

**Second Public Meeting
November 6, 2003**





Introduction

- **DEQ PRO** - . Mark Alling (Introduction to Appomattox impairments and TMDL)
- **MapTech** - Byron Petrauskas (Technical approach for Appomattox Basin TMDL)
- **DCR** - Mike Bowman (Implementation Plans)



New Poster Session Format

- **Better presentation of general and technical information; everyone gets to look at the information longer, understand it better.**
- **Better for answering specific questions from the public**
- **Staff will man the posters to discuss and answer your questions**

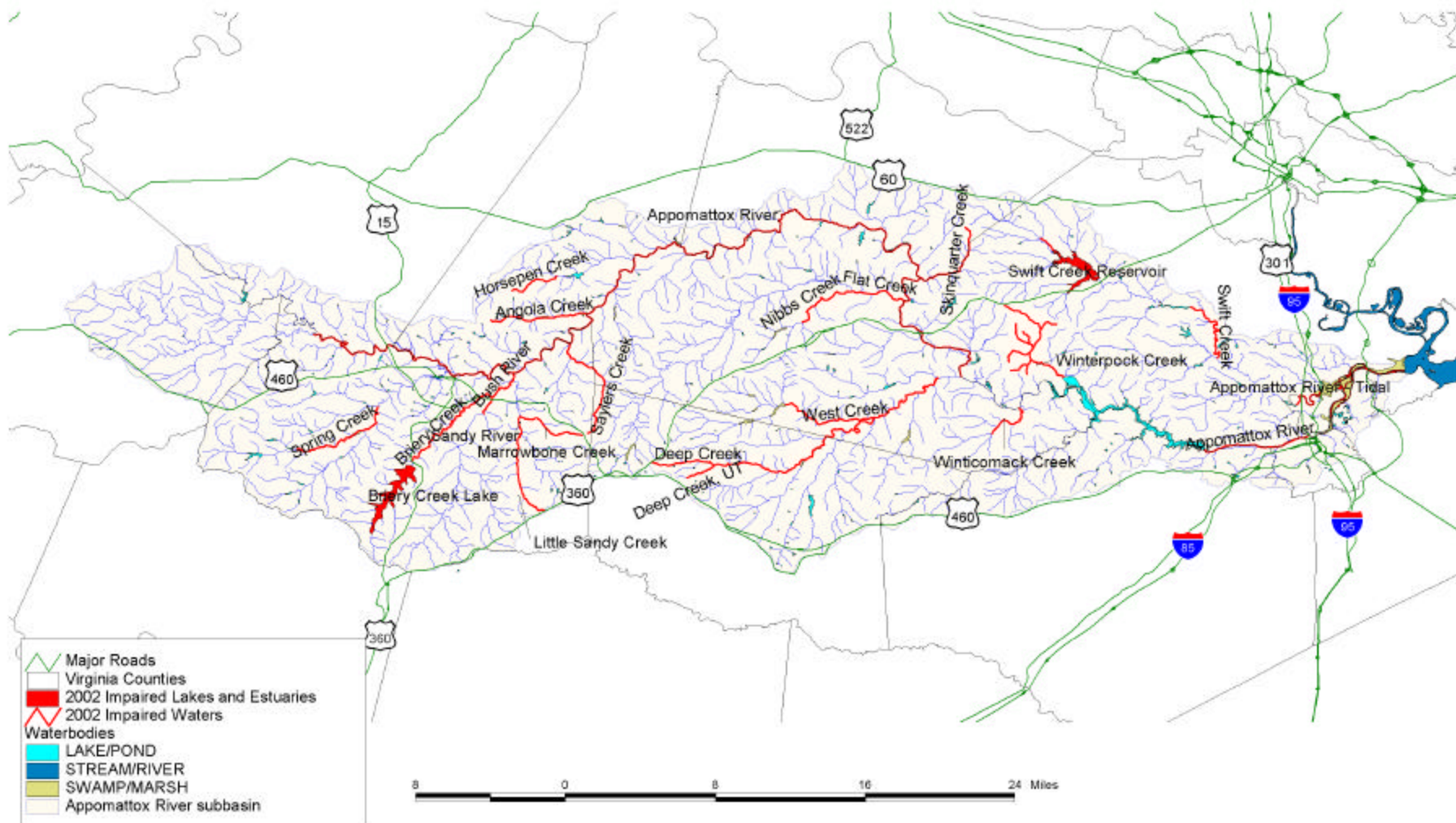


How are we approaching the Appomattox Basin TMDL?

BASIN WIDE APPROACH

- DEQ intends to develop the bacterial TMDLs for the Appomattox and its impaired tributaries in an integrated, watershed-wide approach. The causes of the fecal problems, and the solutions, are likely basin-wide in multiple tributaries.
- If successful, this approach will be applied to other watersheds with multiple impaired tributaries (Dan, Banister, James, Roanoke).

Appomattox River Subbasin 2002 TMDL Priority List Segments



Impaired Segments

Water Body	Cause	Listing Date	Listing Station	# violations / # samples since 1990
Appomattox Tidal	FC	1998	Rt10Hopewell	14 / 141
Appomattox R	FC	2002	Rt 36 Ettrick	16 / 141
			Rt360 Goodes	27 / 144
Deep Ck	FC	1998	Rt153 Amelia	3 / 55(E. coli 2 / 7)
	DO	1998	Rt611 Amelia	16 / 36
Deep Ck-UT	BC	1994	Rt 619 Crewe	Benthic
Flat Ck	FC	1994	Rt 604 Chula	11 / 57
Nibbs Ck	FC	2002	Rt 636 Amelia	1 / 7
Skinquarter Ck	DO, pH	1998	Rt 603 Co line	13 / 39, 23 / 39
Swift Ck	FC	2002	Rt 1 Col Hts	5 / 54
	FC, DO	1998	Rt655 Chfield	4 / 40, 7 / 40
	pH	1998	Rt 667	4 / 48, 16 / 54
			Otterdale	

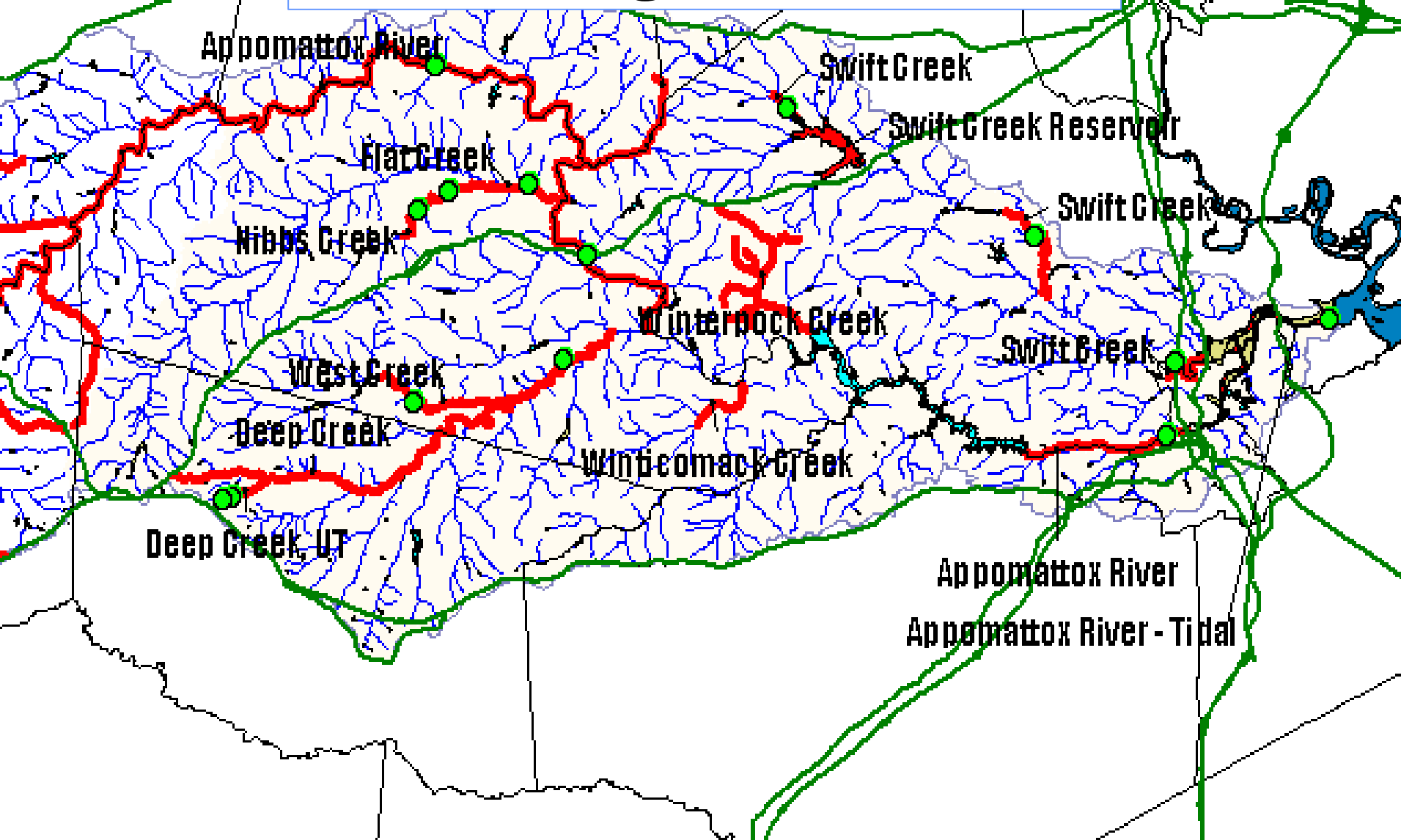
Impaired Segments (cont'd)

Water Body	Cause	Listing Date	Listing Station	# violations / # samples since 1990
Swift Ck Reservoir	DO	2002	Off dam 0.2 mi off dam Dry Cr arm Off W. Shore Below Rt 668	12 / 37 4 / 13 4 / 46 3 / 23 2 / 21
West Ck	FC	2002	Rt 614 Amelia	3 / 22
Winterpock Ck	DO, pH	1994	Rt602 Chfield	32 / 88, 30 / 89
Winticomack Ck	DO, pH	1998	Rt622 Amelia	24 / 59, 27 / 58

- **Info on impaired segments:**

www.deq.state.va.us/water/303d.html

Biological Source Tracking (BST) Sites





Please Send Public Comments

30 Day Public Comment Period:

November 6 - December 5, 2003

Send written comments to:

Mark Alling

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A photograph of a river or stream with bare trees and a fallen branch in the water. The water is calm, reflecting the surrounding trees and the overcast sky. A large, fallen branch lies across the water in the foreground. The banks are covered with dry, brown vegetation and rocks.

Questions?

Info on TMDLs:
www.deq.state.va.us/tmdl